ABSTRACT

A system and method for manufacturing a custom prosthetic liner. The system may include a shape capture device for capturing the shape of a residual limb. The captured shape may be used to generate a 3-dimensional electronic liner model using a processor and specialized software. A 3-dimensional electronic model of the residual limb may also be produced. Preferably, an interface is provided that allows a user of the system to alter the shape and/or size of the 3-dimensional model(s) to allow the subsequently-produced liner to accommodate particular features of the residual limb. Data associated with at least the resulting 3-dimensional liner model is provided to a manufacturing facility equipped to produce a custom liner therefrom. The data may be remotely transmitted to the manufacturing facility. A positive likeness of the residual limb is created from the data associated with the 3-dimensional model(s), and is subsequently used as a mold core in the liner molding process.